



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Samir Kumar Brahmachari et al. Art Unit : 1631
Serial No. : 09/539,032 Examiner : M. Moran
Filed : March 30, 2000
Title : A COMPUTER BASED METHOD FOR IDENTIFYING PEPTIDES USEFUL AS DRUG TARGETS

#1618
Plunkett
3/16/03
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Commissioner for Patents
Washington, D.C. 20231

MAR 17 2003

AMENDMENT AND RESPONSE

TECH CENTER 1600/29C

In response to the action mailed August 28, 2002, please amend the application as follows:

In the claims:

Please amend each of claims 1-9 to read as follows:

(Subj D1)
(B1)

1. A computer-based method for identifying conserved peptide motifs useful as drug targets wherein the said method comprises the steps of:

- providing electronic data representing peptide libraries from the protein sequences of selected organisms,
- from the data of step (i), generating computationally overlapping peptide sequences of length 'N', and sorting computationally the peptide sequences of length 'N' according to amino acid sequence,
- matching computationally the sorted peptide sequences of length 'N' of the selected organisms to produce matched common peptide sequences,
- locating computationally the matched common peptide sequences in the protein sequences of step i) and subsequently labeling the matched common peptide sequences with their origin and location,

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

February 28, 2003
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